



Glenn Research Center



FCF Combustion Science Capabilities

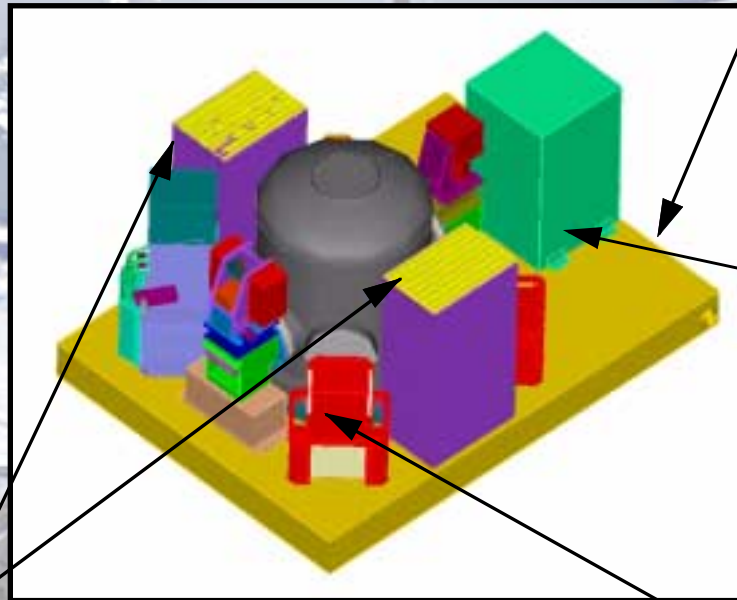
Optics Plate

Features

- Folds down for full access
- 25 mm optic table hole pattern
- Diagnostics can be easily replaced/interchanged
- Integrated Gas mixing/Combustion Chamber Assembly

Optic Plate Specifications

- Width: 86.5 cm
- Length: 124.5 cm
- Depth: 10cm
- 6061-T6 Aluminum, Anodized
- Tubing & Wiring internal and external to plate



Expansion Volume

- W x L x D: 25 cm x 42.5 cm x 25 cm
- Available for PI Unique Hardware

Imaging Processing Packages

- 2 locations – 4 image Processing and Storage Units/Location
- W x L x D: 25.0 mm x 50.0 mm x 21.0 mm
- Image Processing and Storage
- Controls Cameras
- Stores 36 GBytes of data

Diagnostic Specifications

- 6 Locations
- W x L x D: 23 cm x 50 cm x 25 cm
- Baseline - Digital Cameras
 - SVF/ST, Illumination, HFR with APT, Low Light Level UV (2), Mid IR
- Packages can be moved to any location